



220 230 X

3. US-09-967-301-2 (1-238)  
US-09-967-301-3 Sequence 3, Application US/C9967301

Initial Score = 237 Optimized Score = 237 Significance = 0.00  
Residue Identity = 98% Matches = 235 Mismatches = 3  
Caps 0 Conservative Substitutions 0

X 10 20 30 40 50 60 70  
MSKGEELFTGVVPIELVDGVDVNGHKFVSSEGEEDATYCKLTIKPCTTGKLPVPWPTLVITTSYGVQCF  
MSKGEELFTGVVPIELVDGVDVNGHKFVSSEGEEDATYCKLTIKPCTTGKLPVPWPTLVITTSYGVQCF  
X 10 20 30 40 50 60 70

80 90 100 110 120 130 140  
RYPDMKRHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYN  
RYPDMKRHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYN  
80 90 100 110 120 130 140

150 160 170 180 190 200 210  
YNSHNYIMADKQKNGIKVNFKRHNIEDGSGVQLADHYQONTPIGSGPVLLPDNHYLSTOSALS KDPNEKRD  
YNSHNYIMADKQKNGIKVNFKRHNIEDGSGVQLADHYQONTPIGSGPVLLPDNHYLSTOSALS KDPNEKRD  
150 160 170 180 190 200 210

220 230 X  
HNVLLFEVTAAGITHGMDELYK  
HNVLLFEVTAAGITHGMDELYK  
HNVLLFEVTAAGITHGMDELYK  
220 230 X



220 230 X

3. US-09-967-301-3 (1-238);  
US-09-967-301-2 Sequence 2, Application US/09967301  
Initial Score = 237 Optimized Score = 237 Significance = 0.00  
Residue Identity = 98% Matches = 235 Mismatches = 3  
Gaps = 0 Conservative Substitutions = 0

```
X      10      20      30      40      50      60      70
MSKGELFTGVVPILVELDGVNKGKFSVSGEGDATYKLTLPFTCTGKLPVPMPTLVTLTISYGVCCFS
|||||
MSKGELFTGVVPILVELDGVNKGKFSVSGEGDATYKLTLPFTCTGKLPVPMPTLVTLTISYGVCCFS
X      10      20      30      40      50      60      70
RYPDHMKRHDFPKSAMPEGYVQERTIFFKDDGNYKTRAFVKPFGDTLVNRIELKGIDPKEDGNILGHKLEYN
|||||
RYPDHMKRHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKPFGDTLVNRIELKGIDPKEDCNILGHKLEYN
80      90      100      110      120      130      140
YNSHNYVINADKQKNGIKVNFIRHNIEDGVSQVLAADHYOONTPIGCGPVLLPDNHYLSTQSALS KDPNEKRT
|||||
YNSHNYVINADKQKNGIKVNFIRHNIEDGVSQVLAADHYOONTPIGCGPVLLPDNHYLSTQSALS KDPNEKRT
150      160      170      180      190      200      210
HNVLLGFVTAAGITHGMDELYK
|||||
HNVLLGFVTAAGITHGMDELYK
220      230
HNVLLGFVTAAGITHGMDELYK
|||||
HNVLLGFVTAAGITHGMDELYK
220      230 X
```